Plant Systematics and Evolution

Entwicklungsgeschichte und Systematik der Pflanzen

Continuation of Österreichische Botanische Zeitschrift

Editorial Board:

F. Ehrendorfer, Wien (Managing Editor)
L. Geitler, Wien
W. Hagemann, Heidelberg
V. H. Heywood, Reading
T. J. Mabry, Austin, Tex.
J. Poelt, Graz
G. L. Stebbins, Davis, Calif.
B. L. Turner, Austin, Tex.

M. A. Fischer, Wien (Secretary)

Vol. 144/1984

ISSN 0378-2697

Springer-Verlag Wien New York

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

Alle Rechte, einschließlich das der Übersetzung in fremde Sprachen und das der photomechanischen Wiedergabe oder einer sonstigen Vervielfältigung, auch in Mikroform, vorbehalten

© 1984 by Springer-Verlag/Wien

Contents/Inhalt

Badr, A., Elkington, T. T.: Giemsa C-Banded Karyotypes and Taxonomic Relationships of Some North American *Allium* Species and their Relationship to Old World Species (*Liliaceae*) 17

Bogner, J.: On *Hapaline appendiculata* and *Phymatarum borneense*, Two Rare *Araceae* from Borneo 59

Bogner, J.: A New *Stylochiton* Species (*Araceae*) from East Africa . . 77

Carlquist, S.: Wood Anatomy of *Trimeniaceae* 103

Çelebioğlu, T., Favarger, C.: Recherches Cytotaxonomiques et Cytogéographiques sur *Minuartia* sect. *Sabulina* en Turquie (*Caryophyllaceae*) 241

Coesel, P. F. M.: Notes on the Variation, Geographical Distribution and Ecology of *Euastrum insulare* var. *basichondrum* (*Chlorophyta, Desmidiaceae*) 137

Cox, P. A.: Chiropterophily and Ornithophily in *Freycinetia* (*Pandanaceae*) in Samoa 277

Cristofolini, G., Peri, P.: Immunosystematical Comparison of *Phaseolus coccineus* Seed Proteins with those of Other Legumes 155

Dvořák, J., McGuire, P. E., Mendlinger, S.: Inferred Chromosome Morphology of the Ancestral Genome of *Triticum* 209

Ehrendorfer, F., Vitek, E.: Evolution alpiner Populationen von *Euphrasia* (*Scrophulariaceae*): Entdeckung kleinblütiger diploider Sippen . . 25
Evolution in Alpine Populations of *Euphrasia* (*Scrophulariaceae*): Discovery of Small-Flowered Diploid Taxa

El Hadidi, M. N., Fayed, A. A., El Naggar, S. M.: Systematic Revision of *Erodium* (*Geraniaceae*) in Egypt 307

Fischer, M. A.: *Veronica fridericae*, a New Species from Eastern Turkey 67

Greilhuber, J., Vitek, E., Ehrendorfer, F.: Evolution alpiner Populationen von *Euphrasia* (*Scrophulariaceae*): Chromosomenzählungen an diploiden und polyploiden Sippen aus den Ostalpen 45
Evolution in Alpine Populations of *Euphrasia* (*Scrophulariaceae*): Chromosome Counts on Diploid and Polyploid Taxa from the E. Alps

Guillén, A., Ruiz Rejón, M.: Structural Variability and Chromosome Numbers Variation in Natural Populations of *Scilla autumnalis* (*Liliaceae*) 201

Hesse, M.: Pollenkitt is Lacking in *Gnetatae*: *Ephedra* and *Welwitschia*; Further Proof for its Restriction to the Angiosperms 9

Kenton, A.: Robertsonian Differentiation and Preferential Pairing Revealed in Species and F_1 Hybrids of the *Gibasis linearis* Group (*Commelinaceae*) 221

Morawetz, W., Waha, M.: Die Epidermisskulptur als Gattungsmerkmal bei primitiven Angiospermen 73
Epidermis Ultrastructure as a Systematic Character on the Genus Level in Primitive Angiosperms

Morishima, H., Sano, Y., Oka, H. I.: Differentiation of Perennial and Annual Typus Due to Habitat Conditions in the Wild Rice *Oryza perennis* . 119

Naranjo, C. A., Poggio, L., Zeiger, S. E.: Phenol Chromatography, Morphology and Cytogenetics in Three Species and Natural Hybrids of *Prosopis* (*Leguminosae — Mimosoideae*) 257

Neubauer, H. F.: Knotenbau und Blattgrundvaskularisation bei einigen *Gentianaceae*. 1
Nodal Anatomy and Leaf Base Vascularization in Some *Gentianaceae*

Okada, H., Ueda, K.: Cytotaxonomical Studies on Asian *Annonaceae* . 165

O'Kelly, Ch. J., Floyd, G. L., Dube, M. A.: The Fine Structure of Motile Cells in the Genera *Ulvaria* and *Monostroma*, with Special Reference to the Taxonomic Position of *Monostroma oxyspermum* (*Ulvophyceae, Chlorophyta*). 179

Pazy, B.: Insect Induced Self-Pollination 315

Pruski, J. F., Urbatsch, L. E.: Chromosome Counts in *Calea* (*Asteraceae-Heliantheae*) 151

Rechinger, K. H.: Eine neue *Campanula*-Art aus dem ostafghanisch-westpakistanischen Grenzgebiet 149
A New *Campanula* Species from the Border Region of Afghanistan and Pakistan

Rohwer, J., Kubitzki, K.: *Salix martiana*, a Regularly Hermaphrodite Willow 99

Schubert, I.: Mobile Nucleolus Organizing Regions (NORs) in *Allium* (*Liliaceae* s. lat.)? — Inferences from the Specifity of Silver Staining 291

Snieżko, R., Harte, C.: Polarity and Competition Between Megaspores in the Ovule of *Oenothera* Hybrids 83

Weber-El Ghobary, M. O.: The Systematic Relationships of *Aegialitis* (*Plumbaginaceae*) as Revealed by Pollen Morphology 53

Listed in Current Contents